Neal Fann

List of Publications by Year
in descending order

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50 papers	4,267 citations	172457 29 h-index	197818 49 g-index
51 all docs	51 docs citations	51 times ranked	5377 citing authors

#	Article	IF	Citations
1	Modeling future asthma attributable to fine particulate matter (PM2.5) in a changing climate: a health impact assessment. Air Quality, Atmosphere and Health, 2022, 15, 311-319.	3.3	4
2	The Role of Temperature in Modifying the Risk of Ozone-Attributable Mortality under Future Changes in Climate: A Proof-of-Concept Analysis. Environmental Science & Technology, 2022, 56, 1202-1210.	10.0	4
3	Dynamic Versus Static Modeling of Mortality-Related Benefits of PM_{2.5} Reductions in the USA and Chile: 1990 to 2050. Journal of Benefit-Cost Analysis, 2022, 13, 198-223.	1.2	2
4	Reanalysis of the association between reduction in long-term PM2.5 concentrations and improved life expectancy. Environmental Health, 2021, 20, 102.	4.0	3
5	A database for evaluating the InMAP, APEEP, and EASIUR reduced complexity air-quality modeling tools. Data in Brief, 2020, 28, 104886.	1.0	16
6	CABOT-O₃: An Optimization Model for Air Quality Benefit-Cost and Distributional Impacts Analysis. Environmental Science & Technology, 2020, 54, 13370-13378.	10.0	5
7	Quantifying the Public Health Benefits of Reducing Air Pollution: Critically Assessing the Features and Capabilities of WHOâ€™s AirQ+ and U.S. EPAâ€™s Environmental Benefits Mapping and Analysis Programâ€"Community Edition (BenMAPâ€"CE). Atmosphere, 2020, 11, 516.	2.3	35
8	Ozone-related asthma emergency department visits in the US in a warming climate. Environmental Research, 2020, 183, 109206.	7.5	12
9	The recent and future health burden of the U.S. mobile sector apportioned by source. Environmental Research Letters, 2020, 15, 075009.	5.2	12
10	Estimating Lifetime Cost of Illness. An Application to Asthma. Annals of the American Thoracic Society, 2020, 17, 1558-1569.	3.2	12
11	Health benefits and control costs of tightening particulate matter emissions standards for coal power plants - The case of Northeast Brazil. Environment International, 2019, 124, 420-430.	10.0	20
12	Effects of Increasing Aridity on Ambient Dust and Public Health in the U.S. Southwest Under Climate Change. GeoHealth, 2019, 3, 127-144.	4.0	56
13	Change in fine particle-related premature deaths among US population subgroups between 1980 and 2010. Air Quality, Atmosphere and Health, 2019, 12, 673-682.	3.3	9
14	Estimates of Present and Future Asthma Emergency Department Visits Associated With Exposure to Oak, Birch, and Grass Pollen in the United States. GeoHealth, 2019, 3, 11-27.	4.0	33
15	Monetized health benefits attributable to mobile source emission reductions across the United States in 2025. Science of the Total Environment, 2019, 650, 2490-2498.	8.0	18
16	Estimating the Health and Economic Impacts of Changes in Local Air Quality. American Journal of Public Health, 2018, 108, S151-S157.	2.7	12
17	The Environmental Benefits Mapping and Analysis ProgramÂâ€"ÂCommunity Edition (BenMAPâ€"CE): A tool to estimate the health and economic benefits of reducing air pollution. Environmental Modelling and Software, 2018, 104, 118-129.	4.5	122
18	The health impacts and economic value of wildland fire episodes in the U.S.: 2008â€"2012. Science of the Total Environment, 2018, 610-611, 802-809.	8.0	184

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19	Heat-Related Health Impacts under Scenarios of Climate and Population Change. International Journal of Environmental Research and Public Health, 2018, 15, 2438.	2.6	22
20	Estimates of the Global Burden of Ambient PM2.5, Ozone, and NO2 on Asthma Incidence and Emergency Room Visits. Environmental Health Perspectives, 2018, 126, 107004.	6.0	209
21	Global estimates of mortality associated with long-term exposure to outdoor fine particulate matter. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9592-9597.	7.1	1,407
22	Assessing Human Health PM_{2.5} and Ozone Impacts from U.S. Oil and Natural Gas Sector Emissions in 2025. Environmental Science & Technology, 2018, 52, 8095-8103.	10.0	32
23	The estimated change in the level and distribution of PM2.5-attributable health impacts in the United States: 2005â€“2014. Environmental Research, 2018, 167, 506-514.	7.5	53
24	The Environmental Benefits Mapping and Analysis Program - Community Edition (BenMAP-CE): A tool to estimate the health and economic benefits of reducing air pollution. Environmental Modelling and Software, 2018, 104, 118-129.	4.5	39
25	Impacts of oak pollen on allergic asthma in the United States and potential influence of future climate change. GeoHealth, 2017, 1, 80-92.	4.0	42
26	Estimated Changes in Life Expectancy and Adult Mortality Resulting from Declining PM2.5 Exposures in the Contiguous United States: 1980â€“2010. Environmental Health Perspectives, 2017, 125, 097003.	6.0	65
27	Survey of Ambient Air Pollution Health Risk Assessment Tools. Risk Analysis, 2016, 36, 1718-1736.	2.7	66
28	Characterizing the Longâ€Term PM_{2.5} Concentrationâ€Response Function: Comparing the Strengths and Weaknesses of Research Synthesis Approaches. Risk Analysis, 2016, 36, 1693-1707.	2.7	17
29	A class of non-linear exposure-response models suitable for health impact assessment applicable to large cohort studies of ambient air pollution. Air Quality, Atmosphere and Health, 2016, 9, 961-972.	3.3	106
30	Characterizing the confluence of air pollution risks in the United States. Air Quality, Atmosphere and Health, 2016, 9, 293-301.	3.3	13
31	The geographic distribution and economic value of climate change-related ozone health impacts in the United States in 2030. Journal of the Air and Waste Management Association, 2015, 65, 570-580.	1.9	85
32	The health benefits of reducing air pollution in Sydney, Australia. Environmental Research, 2015, 143, 19-25.	7.5	85
33	Using Science to Shape Policy. Molecular and Integrative Toxicology, 2015, , 403-436.	0.5	0
34	Outdoor Fine Particles and Nonfatal Strokes. Epidemiology, 2014, 25, 835-842.	2.7	35
35	Effect modification of ozone-related mortality risks by temperature in 97 US cities. Environment International, 2014, 73, 128-134.	10.0	81
36	The public health context for PM2.5 and ozone air quality trends. Air Quality, Atmosphere and Health, 2013, 6, 1-11.	3.3	69

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37	The Recent and Future Health Burden of Air Pollution Apportioned Across U.S. Sectors. Environmental Science & Technology, 2013, 47, 3580-3589.	10.0	124
38	Letter in Response to Fraas & Lutter Article: â€œUncertain Benefits Estimates for Reductions in Fine Particle Concentrationsâ€• Risk Analysis, 2013, 33, 755-756.	2.7	2
39	Health Benefits from Large-Scale Ozone Reduction in the United States. Environmental Health Perspectives, 2012, 120, 1404-1410.	6.0	99
40	Characterizing the PM2.5-related health benefits of emission reductions for 17 industrial, area and mobile emission sectors across the U.S.. Environment International, 2012, 49, 141-151.	10.0	113
41	Estimating the National Public Health Burden Associated with Exposure to Ambient PM_{2.5} and Ozone. Risk Analysis, 2012, 32, 81-95.	2.7	472
42	Response. Risk Analysis, 2012, 32, 197-199.	2.7	3
43	Response to Cox Letter: â€œMiscommunicating Risk, Uncertainty, and Causation: Fine Particulate Air Pollution and Mortality Risk as an Exampleâ€• Risk Analysis, 2012, 32, 768-770.	2.7	2
44	Climate Change-Related Temperature Impacts on Warm Season Heat Mortality: A Proof-of-Concept Methodology Using BenMAP. Environmental Science & Technology, 2011, 45, 1450-1457.	10.0	67
45	Maximizing Health Benefits and Minimizing Inequality: Incorporating Localâ€Scale Data in the Design and Evaluation of Air Quality Policies. Risk Analysis, 2011, 31, 908-922.	2.7	80
46	Improving the Linkages between Air Pollution Epidemiology and Quantitative Risk Assessment. Environmental Health Perspectives, 2011, 119, 1671-1675.	6.0	47
47	Meeting Report: Estimating the Benefits of Reducing Hazardous Air Pollutantsâ€"Summary of 2009 Workshop and Future Considerations. Environmental Health Perspectives, 2011, 119, 125-130.	6.0	4
48	A multiâ€"pollutant, riskâ€"based approach to air quality management: Case study for Detroit. Atmospheric Pollution Research, 2010, 1, 296-304.	3.8	52
49	Methodological considerations in developing local-scale health impact assessments: balancing national, regional, and local data. Air Quality, Atmosphere and Health, 2009, 2, 99-110.	3.3	68
50	The influence of location, source, and emission type in estimates of the human health benefits of reducing a ton of air pollution. Air Quality, Atmosphere and Health, 2009, 2, 169-176.	3.3	139